

SATELLITE PRO 470CDT Product Specifications

470CDT: 2.1 Billion Bytes: PA1255U-T2C

PROCESSOR

Intel Pentium® 200MHz (1.8v/2.5v) w/MMX
 External data bus width
 External data/address bus speed

Yes
 64 bit
 66 MHz

Integrated Coprocessor
 Processor Cache

Yes
 32KB: (16KB code; 16KB data)

LEVEL 2 (L2) CACHE

Data Bus Width
 Data Bus Speed
 DATA RAM:

Yes: 256KB
 64 bit
 66 MHz
 Yes

Type of cache memory
 Access Time

1 Mbit Pipelined Burst Synchronous SRAM, 2.5v
 8 ns

SYSTEM ARCHITECTURE

PCI BUS (v.2.1): (32-bit, 33 MHz)
 ISA BUS: 16-bit, 8.3 MHz

Connecting Devices: PC Card Slots, Expansion Bus, Graphics Controller, Modem DSP
 Connecting Devices: BIOS, FDD, HDD, CD-ROM, Sound chip, KBC

MEMORY: 64Mbit EDO DRAM, 3.3V

Standard
 Maximum
 Speed
 Hyper Page mode memory access
 Data Bus width
 Local Bus Clock Speed
 BIOS (256KB: 2 Mbit FLASH EPROM)
 PnP 1.0a SUPPORT

32 MB
 160 MB
 60ns
 Yes
 64 bit
 66 MHz
 Yes: supports APM (v.1.2); VESA (v2.0); DPMS, DCC2, DMI (through Win95); PCI
 Yes

DISPLAY

Type
 Size
 Dot Pitch
 Contrast Ratio

TFT Active Matrix Color (800 X 600 resolution)
 12.1" Diagonal
 .30mm x .30mm
 100:1 (min)

VIDEO

Memory: 4Mbit EDO DRAM, 3.3V

2 MB

Speed

50ns

Hyper Page mode support

Yes

Controller Chip

C&T F65555

 Data Bus Width

64-bit

PCI Bus Architecture w/burst mode

Yes: 32-bit, 30 MHz

Graphics Accelerator:

Yes with 64-bit BitBLT support

 DirectDraw, Direct3D, H/W Cursor

Yes

 Digital Video Accelerator:

Yes

 YUV-to-RGB color space conversion

Yes

 Scaling/Interpolation

Yes

 Zoomed Video Port Support

Yes

 DirectMPEG

Yes

 DirectVideo support

Yes:w/Game SDK driver fr/Microsoft

Color Palette

16.7M colors

Internal Support

Colors Support

 Full Screen

16.7M colors

 Smaller Image

16.7M colors

 Virtual Display Mode

64K colors

 Virtual Display Mode

256 colors

External Support

Colors Support

Resolution

Vertical Refresh Rate (Non-Interlaced)

640 x 480

85Hz @ 64K color

800 x 600

85Hz @ 64K color

1024 x 768

60 Hz @ 64K color

1280 x 1024

60 Hz @ 64K color

Resolution

16.7M colors colors

640 x 480

16.7M colors colors

800 x 600

64K colors

1024 x 768

256 colors

1280 x 1024

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STORAGE

Removable HDD (2.5" Enhanced IDE) 2.168 Billion bytes = 2.02 GB (12msec read/14msec write)

SELECT BAY DEVICES

Second Battery

Battery Type

Modular FDD (3.5" 1.44MB)

FDD Dimensions

FDD Weight

Simultaneous FDD & CD-ROM Support

FDD Adapter Dimensions

FDD Adapter Weight

Modular HDD (2.5" Enhanced IDE)

Capacity

Modular CD-ROM: Toshiba XM-1502B

5.25" 10 x-Average speed

Weight

Interface

Random Access Time

Average Sustained Transfer Rate

Supported Disc formats

Optional: Part# PA2451UR (Includes battery adapter)

Li-Ion (10.8V, 3400mAH)

Included/Swappable with CD-ROM

4.57" L x 3.8" W x .59" H

Weight: .29 lbs

Yes: External FDD adapter included

7.0" L x 5.5" W

.25 lbs

Optional/Swappable with FDD: Part# PA2609U

2.1 billion bytes=2.02 GB (13msec)

Installed/Swappable with FDD

.4 lbs

.ATAPI (Enhanced IDE)

150 ms

1,500 KB/sec

CD-DA, CD-ROM, CD-ROM XA, CD-Bridge (Photo-CD, Video-CD),
CD-I, CD-I Ready, CD-G, Multisession (Photo-CD, CD-Plus)

KEYBOARD

84/86 keys, 3mm Travel Yes with Windows 95 key support

12 dedicated function keys Yes

Cursor control (8 Keys, Inverted "T") Yes

Numeric keypad (Integrated Overlay) Yes

Integrated Pointing Device

AccuPoint™

EXPANSION SLOTS

Two Stacked PC Card Slots Yes: Holds two - 5mm PC Cards Type II or one - 10.5mm PC Card Type III.

Support Standards Yes: Supports 32-bit, 3.3V PC CardBus cards **and** 16-bit, 5.0V PC card standards

Internal Memory Slot (One only) Yes

EXPANSION PORTS

One RJ-11 port for internal modem (supplied) Yes

One 9-Pin Serial (16550 UART compliant) Yes

One 25-Pin Parallel (8 bit ECP) Yes

One 15-Pin RGB (SVGA video) Yes

Fast Infrared port (Back only) Yes: IrDA 1.1:4Mbps compatible

One (PS/2) 101 Keyboard/Mouse port Yes: "Y" connector supported

One External Floppy Drive port Yes

Universal Serial Bus (USB) port Yes: Supports 127 devices. Throughput Rate: 12Mbits/sec.

Microphone (3.5mm mini jack, stereo) Yes

Headphone (3.5mm mini jack, stereo) Yes

Line-in (3.5mm mini jack, stereo, 2V rms) Yes

Noteworthy security lock port Yes

INTERNAL MODEM (Cellular Ready)

33.6 /14.4 Kbps Data/Fax/Voice modem **w/V.80 support for Video Conferencing**

US/Canada and Euro/Australia

DAA support

Data support Protocols supported Bell-103/212A, CCITT-V.21/V.22, V.32, V.32bis, V.34, **V.80**

Error correction MNP 1-4

Data compression MNP 5, CCITT V.42 bis

Fax support Fax class 1

Protocols supported V.21 ch2, V.27 ter, V.29, V.17

Supported Functions Speaker phone, Telephony Answering Machine, Ring Wake-up Resume

Incoming Call Discrimination, Caller ID; Video conferencing

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NoteDock III™ Port Replicator (Optional)	Part# PA2717U	
(2) Type III PCI/CardBus ready PC Card slots	Yes: each slot supports one card	
Supported Interfaces	Serial, USB, parallel, PS/2 keyboard, PS/2 mouse, DC in, SVGA port, lock slot, joystick/MIDI, audio line-in, line-out, headphone, microphone	
POWER		
<i>Autosensing External AC Adapter</i>	Part# PA2450U	
Input (Voltage/Frequency)	100-240V; 50-60Hz	
Output (Voltage/Amps)	15 VDC; 3A (max)	
Power Output (Watts)	45W	
Battery Type: Li-Ion (10.8V, 3600mAH)	Yes (one standard): Part# PA2487UR	
Battery Life: (One battery/Two batteries)	<i>Full power:</i> 2+ hrs./4 hrs.	<i>Low power:</i> 2.5/5 hrs.
Recharge Time (Computer Off/On)	2-3 hrs.(Off) /4-10 hrs.(On) --- (per one battery pack)	
MaxTime® Power Management	Yes	
SOUND SYSTEM		
Chipsets:	Yamaha OPL3-SA3	
16-bit stereo audio playback/record	Yes	
Maximum Sampling Rate	48kHz	
FM Synthesis support	Yes	
Full duplex function	Yes	
Sound formats supported:	SoundBlaster Pro™ v.3.01, .WAV, MIDI, Windows Sound System 2.0	
3D Sound Support	Yes	
DirectSound/Direct3DSound support	Yes: with Windows 95 Game SDK driver from Microsoft	
Built-in microphone (monoaural)	Yes	
Speaker system	Two top-mounted stereo speakers (28mm, 8 Ω)	
DIMENSIONS	Dimensions	Weight
Notebook	11.95" W x 9.4" D x 2" H	6.97 lbs.
AC Adapter	4.92" L x 2.48" W x 1.0" H	.66 lbs.
Primary Battery (Standard)	6.87" L x 2.76" W x .73" H	.88 lbs.
Select Bay Battery (Optional)	4.55" L x 4.06W x .66" H	.78 lbs.
BUNDLED SOFTWARE		
Windows®95; Fn-esse™, Microsoft Internet Explorer; Yamaha Audio Rack; SystemSoft 32-bit (On Backup CD only), Puma Intellisync97 (infrared software), SyncroConnect v.1.89 (modem software), Intel Indeo Video, Mediomatics Arcade Pak, 470CDT User's Guide and Discovery Center		
CD's Included:	Windows® 95 Companion; Backup CD; Recovery CD	
SECURITY	Hardware	Lock slot, screen blank, keyboard lock
	Password	Power-on, & Supervisor
WARRANTY	3 YR Parts / 1 YR. Labor	
ENVIRONMENTAL SPECIFICATIONS	Operating	Non-operating
Temperature:	41°F (5°C) to 95°F (35°C)	-4°F (-20°C) to 149°F (65°C)
Thermal Gradient: 20° C per hour (max.)	--	--
Relative Humidity	20% to 80% non-condensing	10% to 90% non-condensing
Altitude:	-197 to 9,843ft. (-60 to 3000m)	-197 to 32,808ft. (-60 to 10,000m)
Shock:	10G; 1.5G w/CD-ROM installed	60G; 50G w/CD-ROM installed
Vibration:	0.5G; 0.25G w/CD-ROM installed	1G; 1G w/CD-ROM installed